

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name : **Accepta 4301**
Company : Accepta Limited
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Product Use : Water Fertilizer-Retainer for Soils and Substrates.

2. HAZARDS IDENTIFICATION

Hazard Identification

The product when wet renders surfaces extremely slippery The product swells in water

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identification : Superabsorbent polyacrylamide.

Regulated Components

None.

4. FIRST AID MEASURES

Inhalation : No hazards which require special first aid measures.

Skin contact : No hazards which require special first aid measures.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

Ingestion : The product is not considered toxic based on studies on laboratory animals.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Precautions : The product when wet renders surfaces extremely slippery. The product swells in water.

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions required.

Environmental precautions : As with all chemical products, do not flush into surface water.

Methods for cleaning up : Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.
After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Avoid contact with skin and eyes. Avoid dust formation. Do not breathe vapours/dust.
Wash hands before breaks and at the end of workday.

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Keep in a cool, dry place (0 - 35 °C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal protective equipment

Respiratory protection : Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

Hand protection : Gloves are recommended.

Eye protection : Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Sldn and body protection : No special protective clothing required.

Hygiene measures

Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Granular solid

Color : White

Melting point/range : Not applicable

Flash point : Not applicable

Autoignition temperature (°C) : Not applicable

Approx. bulk density : 0.80

Water solubility : Insoluble

LogPow : 0

10. STABILITY AND REACTIVITY

Stability : Stable. Hazardous polymerisation does not occur.

Conditions to avoid : None known.

Materials to avoid : The product swells in water.

Hazardous decomposition products : Thermal decomposition may produce. hydrogen cyanide (hydrocyanic acid). Nitrogen oxides (NO_x). Carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral : Not toxic. LD50/oral/rat > 5000 mg/kg.

Skin : Not toxic. LD50/dermal/rabbit > 2000 mg/kg.

Irritation

Skin : Not irritating.

Eyes : Moderate eye irritation due to effects all powders have on conjunctivae.

Sensitization

Not sensitizing.

12. ECOLOGICAL INFORMATION

Toxicity to fish :

Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia :

Aquatic toxicity is unlikely due to low solubility.

Toxicity to algae :

Aquatic toxicity is unlikely due to low solubility

Environmental fate

Persistence and degradability : Not readily biodegradable.

Hydrolysis : Does not hydrolyse.

Bioaccumulation : Does not bioaccumulate.

LogPow : 0

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : In accordance with local, state and federal regulations.

Contaminated packaging : Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

ADR/RID

Not classified as dangerous in the meaning of **ADR/RID** regulations.

IMDG/IMO

Not classified as dangerous in the meaning of IMO/IMDG transport regulations.

ICAO/IATA

Not classified as dangerous in the meaning of ICAO/IATA transport regulations.

15. REGULATORY INFORMATION

Classification and Labelling

This product is not classified as dangerous and need not to be labelled according to EC-Directives as amended.

International Inventories

European Union (EINECS/ELINCS) :

All components of this product are either listed on the inventory or are exempt from listing.

USA (TSCA): All components of this product are either listed on the inventory or are exempt from listing.

Australia (AICS) : All components of this product are either listed on the inventory or are exempt from listing.

16. OTHER INFORMATION

Further information

This MSDS was prepared in accordance with the following:

Regulation (EC) N° 1907/2006

Regulation (EC) N° 1272/2008

Directive 67/548/EEC

Directive 1999/45/EC

as amended.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.